

AMENDMENTS TO THE CLAIMS

1-15. (Canceled)

16. (New) A channel switching apparatus for a digital television, the apparatus comprising:

a central processor for receiving a plurality of icons from a plurality of broadcast stations, each of the icons representing and identifying one of the broadcast stations;

a memory for storing the received icons; and

an icon display unit for displaying an icon on a screen,

wherein, in response to a user's selection of a particular channel, the central processor retrieves, from the memory, one of the icons that corresponds to the selected channel, and controls the icon display unit to display the retrieved icon on the screen during a time gap in digital television channel switching.

17. (New) The apparatus of claim 16, wherein the retrieved icon is displayed as an OSD (On Screen Display) at a time between previous and next channel displays of the digital television channel switching.

18. (New) The apparatus of claim 17, wherein only the retrieved icon is displayed on the screen during the time gap in the digital television channel switching.

19. (New) The apparatus of claim 17, wherein the plurality of icons are stored in the memory in a lookup table format.

20. (New) The apparatus of claim 17, wherein each of the icons includes a diagram or character representing the corresponding broadcast station.

cont. 21. (New) The apparatus of claim 17, further comprising:

a signal processor for receiving a digital broadcast signal carrying programs from the plurality of broadcast stations,

wherein the central processor retrieves and displays, on the screen, one of the programs that corresponds to the user's selection of the particular channel.

22. (New) The apparatus of claim 21, further comprising:

an auxiliary storage unit for storing data for operating a program of the memory.

23. (New) A digital television comprising:

a screen;

a signal processor for receiving a digital broadcast signal carrying programs from a plurality of broadcast stations,

a central processor for receiving a plurality of icons from the plurality of broadcast stations, each of the icons representing and identifying one of the broadcast stations;

a memory for storing the received icons; and

an icon display unit for displaying an icon on the screen,

wherein, in response to a user's selection of a particular channel, the central processor retrieves, from the memory, one of the icons that corresponds to the selected channel, and controls the icon display unit to display the retrieved icon on the screen during a time gap in digital television channel switching, and

wherein the central processor retrieves and displays, on the screen, one of the programs that corresponds to the user's selection of the particular channel.

24. (New) The digital television of claim 23, wherein the retrieved icon is displayed as an OSD (On Screen Display) at a time between previous and next channel displays of the digital television channel switching.

25. (New) The digital television of claim 24, wherein only the retrieved icon is displayed on the screen during the time gap in the digital television channel switching.

26. (New) The digital television of claim 24, wherein the plurality of icons are stored in the memory in a lookup table format.

27. (New) The digital television of claim 24, wherein each of the icons includes a diagram or character representing the corresponding broadcast station.

Cont.
28. (New) The digital television of claim 24, further comprising:

an auxiliary storage unit for storing data for operating a program of the memory.

29. (New) A channel switching method for a digital television, the method comprising:

receiving a plurality of icons from a plurality of broadcast stations, each of the icons representing and identifying one of the broadcast stations;
storing, in a memory associated with the digital television, the received icons;

detecting a user's selection of a particular channel;
retrieving, from the memory, one of the icons that corresponds to the user-selected channel in response to the detection result; and
displaying the retrieved icon on a screen during a time gap in digital television channel switching.

30. (New) The method of claim 29, wherein in the displaying step, the retrieved icon is displayed as an OSD (On Screen Display) at a time between previous and next channel displays of the digital television channel switching.

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cont. 31. (New) The method of claim 30, wherein in the displaying step, only the retrieved icon is displayed on the screen during the time gap in the digital television channel switching.

32. (New) The method of claim 30, wherein in the storing step, the plurality of icons are stored in the memory in a lookup table format.

33. (New) The method of claim 30, wherein in the receiving step, each of the icons includes a diagram or character representing the corresponding broadcast station.

34. (New) The method of claim 30, further comprising:

receiving a digital broadcast signal carrying programs from the plurality of broadcast stations; and

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compl. retrieving and displaying, on the screen, one of the programs that corresponds to the user's selection of the particular channel.

35. (New) The method of claim 30, further comprising:

storing, in an auxiliary storage unit, data for operating a program of the memory.